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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	NOV 23	Addition of SCAN format to selected STN databases
NEWS 11	NOV 23	Annual Reload of IFI Databases
NEWS 12	DEC 01	FRFULL Content and Search Enhancements
NEWS 13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus
NEWS 18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS 19	JAN 25	Annual Reload of MEDLINE database
NEWS 20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS 21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS 22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS 24	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses

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 NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
              AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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FILE 'HOME' ENTERED AT 13:55:56 ON 23 FEB 2010

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.22       0.22

FILE 'REGISTRY' ENTERED AT 13:56:16 ON 23 FEB 2010
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DICTIONARY FILE UPDATES:  21 FEB 2010  HIGHEST RN 1206966-88-2

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=>
Uploading c:\documents and settings\pzucker\my documents\examination auxillary
files\10566995\10566995 amdt 11.23.09 ring cmpds

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
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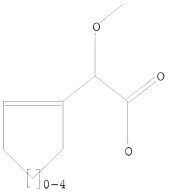

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 13:56:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    12484 TO ITERATE

 16.0% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       242984 TO   256376
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> search  l1 sss full
FULL SEARCH INITIATED 13:57:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   251170 TO ITERATE

100.0% PROCESSED   251170 ITERATIONS                              31 ANSWERS
SEARCH TIME: 00.00.01

L3           31 SEA SSS FUL L1

=> d scan

L3   31 ANSWERS   REGISTRY  COPYRIGHT 2010 ACS on STN
IN   1-Cyclohexene-1-acetic acid, α-methoxy-, methyl ester
MF   C10 H16 O3
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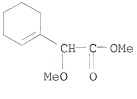
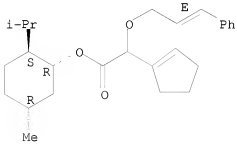


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):32

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-[[(2E)-3-phenyl-2-propen-1-yl]oxy]-,
    (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester
MF C26 H36 O3

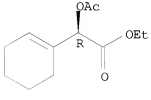
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-(acetyloxy)-, ethyl ester, (R)- (9CI)
MF C12 H18 O4

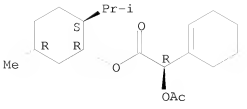
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

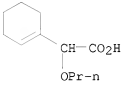
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-(acetyloxy)-,
    5-methyl-2-(1-methylethyl)cyclohexyl ester,
    [1R-[1α(R*),2β,5α]]- (9CI)
MF C20 H32 O4

Absolute stereochemistry.



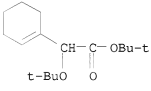
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-propoxy-
MF C11 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

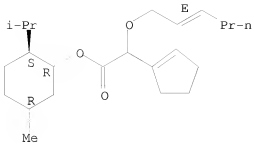
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-(1,1-dimethylethoxy)-,
1,1-dimethylethyl ester
MF C16 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-[(2E)-2-hexen-1-yloxy]-,
(1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester
MF C23 H38 O3

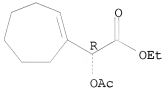
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cycloheptene-1-acetic acid, α-(acetyloxy)-, ethyl ester, (R)- (9CI)
MF C13 H20 O4

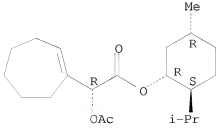
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

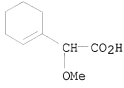
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cycloheptene-1-acetic acid, α-(acetyloxy)-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1α(R*),2β,5α]]- (9CI)
MF C21 H34 O4

Absolute stereochemistry.



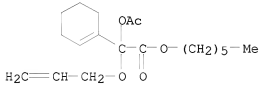
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-methoxy-
MF C9 H14 O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

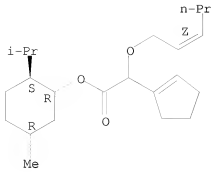
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-(acetyloxy)-α-(2-propen-1-yloxy)-, hexyl ester
MF C19 H30 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-[(2Z)-2-hexen-1-yloxy]-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester
MF C23 H38 O3

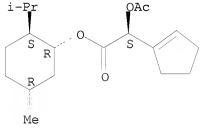
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

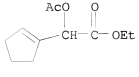
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-(acetyloxy)-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1α(S*),2β,5α]]- (9CI)
MF C19 H30 O4

Absolute stereochemistry.



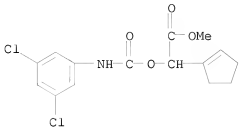
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-(acetyloxy)-, ethyl ester
MF C11 H16 O4



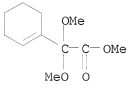
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-[[[(3,5-
    dichlorophenyl)amino]carbonyl]oxy]-, methyl ester
MF C15 H15 Cl2 N O4



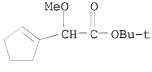
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α,α-dimethoxy-, methyl ester
MF C11 H18 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-methoxy-, 1,1-dimethylethyl ester
MF C12 H20 O3

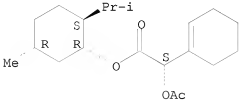


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

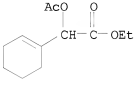
IN 1-Cyclohexene-1-acetic acid, α-(acetyloxy)-,
    5-methyl-2-(1-methylethyl)cyclohexyl ester,
    [1R-[1α(S*),2β,5α]]- (9CI)
MF C20 H32 O4

Absolute stereochemistry.



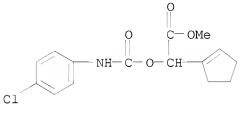
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-(acetyloxy)-, ethyl ester
MF C12 H18 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

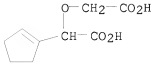
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-[[[(4-
    chlorophenyl)amino]carbonyl]oxy]-, methyl ester
MF C15 H16 Cl N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

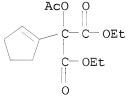
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

IN 1-Cyclopentene-1-acetic acid, α-(carboxymethoxy)-
MF C9 H12 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

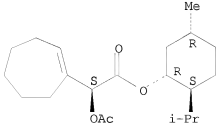
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-(acetyloxy)-2-(1-cyclopenten-1-yl)-, 1,3-diethyl ester
MF C14 H20 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

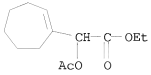
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cycloheptene-1-acetic acid, α-(acetyloxy)-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1α(S*),2β,5α]]- (9CI)
MF C21 H34 O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

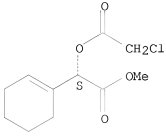
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cycloheptene-1-acetic acid, α-(acetyloxy)-, ethyl ester
MF C13 H20 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-[(chloroacetyl)oxy]-, methyl ester,
    (S)- (9CI)
MF C11 H15 Cl O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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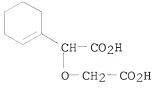
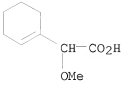
IN 1-Cyclohexene-1-acetic acid, α-(carboxymethoxy)-
MF C10 H14 O5



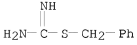
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-methoxy-, compd. with phenylmethyl carbamimidothioate (1:1)
MF C9 H14 O3 . C8 H10 N2 S

CM 1

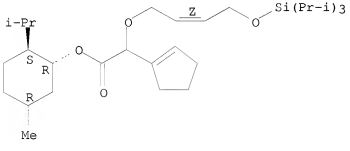


CM 2



L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-[[(2Z)-4-[[tris(1-methylethyl)silyl]oxy]-2-buten-1-yl]oxy]-, (1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl ester
MF C30 H54 O4 Si

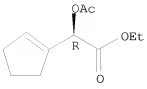
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-(acetyloxy)-, ethyl ester, (R)- (9CI)
MF C11 H16 O4

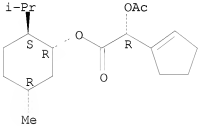
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

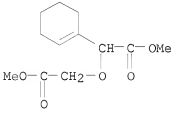
L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclopentene-1-acetic acid, α-(acetyloxy)-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1α(R*),2β,5α]]- (9CI)
MF C19 H30 O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1-Cyclohexene-1-acetic acid, α-(2-methoxy-2-oxoethoxy)-, methyl ester
MF C12 H18 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> e1-Cyclopentene-1-acetic acid,α-methoxy-,1,1-dimethylethyl ester/cn
L4 0 E1-CYCLOPENTENE-1-ACETIC ACID,A-METHOXY-,1,1-DIMETHYLETHYL ESTER/CN

=> e 1-Cyclopentene-1-acetic acid,α-methoxy-,1,1-dimethylethyl ester/cn
E1 1 1-CYCLOPENTENE-1-ACETIC ACID, TERT-BUTYL ESTER/CN
E2 1 1-CYCLOPENTENE-1-ACETIC ACID, TRIMETHYLSILYL ESTER/CN
E3 0 --> 1-CYCLOPENTENE-1-ACETIC ACID,A-METHOXY-,1,1-DIMETHYLET HYL ESTER/CN
E4 1 1-CYCLOPENTENE-1-ACETIC-CARBOXY-14C ACID, 3-CARBOXY-, DIETHY L ESTER/CN
E5 1 1-CYCLOPENTENE-1-ACETO-2',5'-XYLIDIDE/CN
E6 1 1-CYCLOPENTENE-1-ACETO-O-TOLUIDIDE/CN
E7 1 1-CYCLOPENTENE-1-ACETO-P-TOLUIDIDE/CN
E8 1 1-CYCLOPENTENE-1-ACETONITRILE/CN
E9 1 1-CYCLOPENTENE-1-ACETONITRILE, A,A-DIMETHYL-3-OX O-/CN
E10 1 1-CYCLOPENTENE-1-ACETONITRILE, A,2,4,4-TETRAMETHYL-5-O XO-/CN
E11 1 1-CYCLOPENTENE-1-ACETONITRILE, A-((((1-METHYLETHYL)SUL FONYL)OXY)IMINO)-/CN
E12 1 1-CYCLOPENTENE-1-ACETONITRILE, A-(((3,3,3-TRIFLUOROPRO PYL)SULFONYL)METHYL)-/CN

=> e 1-Cyclopentene-1-acetic acid, α -methoxy-,1,1-dimethylethyl ester/cn
E1 1 1-CYCLOPENTENE-1-ACETANILIDE, N,2,3,3-TETRAMETHYL-/CN
E2 1 1-CYCLOPENTENE-1-ACETIC ACID/CN
E3 0 --> 1-CYCLOPENTENE-1-ACETIC ACID, A -METHOXY-,1,1-DIMETHYL ETHYL ESTER/CN
E4 1 1-CYCLOPENTENE-1-ACETIC ACID, A,A,2-TRIMETHYL-, ET ESTER/CN
E5 1 1-CYCLOPENTENE-1-ACETIC ACID, A,A,2-TRIMETHYL-, ETHYL ESTER/CN
E6 1 1-CYCLOPENTENE-1-ACETIC ACID, A,A-DIFLUORO-, ETH YL ESTER/CN
E7 1 1-CYCLOPENTENE-1-ACETIC ACID, A,A-DIMETHYL-/CN
E8 1 1-CYCLOPENTENE-1-ACETIC ACID, A,A-DIMETHYL-, ETH YL ESTER/CN
E9 1 1-CYCLOPENTENE-1-ACETIC ACID, A,A-DIMETHYL-, MET HYL ESTER/CN
E10 1 1-CYCLOPENTENE-1-ACETIC ACID, A,A-DIMETHYL-5-PHE NYL-, METHYL ESTER/CN
E11 1 1-CYCLOPENTENE-1-ACETIC ACID, A,2-DIMETHYL-5-OXO-, (5-(2-THIENYLMETHYL)-3-FURANYL)METHYL ESTER/CN
E12 1 1-CYCLOPENTENE-1-ACETIC ACID, A,3,3,5-TETRAMETHYL-, ET HYL ESTER/CN

=> e 1-Cyclopentene-1-acetic acid, α-methoxy-,1,1-dimethylethyl ester/cn
E1 1 1-CYCLOPENTENE-1-ACETIC ACID, A-ISOCYANO-A-METHY L-, METHYL ESTER/CN
E2 1 1-CYCLOPENTENE-1-ACETIC ACID, A-METHOXY-, 1,1-DIMETHYL ETHYL ESTER/CN
E3 0 --> 1-CYCLOPENTENE-1-ACETIC ACID, A-METHOXY-,1,1-DIMETHYLE THYL ESTER/CN
E4 1 1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-/CN
E5 1 1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-, (5-(PHENYLMET HYL)-3-FURANYL)METHYL ESTER/CN
E6 1 1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-, 1,1-DIMETHYLE

```
                    THYL ESTER/CN
E7              1   1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-, ETHYL ESTER/C
                    N
E8              1   1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-, METHYL ESTER/
                    CN
E9              1   1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-A-(((3,3,
                    3-TRIFLUOROPROPYL)SULFONYL)METHYL)-, METHYL ESTER/CN
E10             1   1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-A-((3,3,3
                    -TRIFLUOROPROPYL)SULFONYL)-, METHYL ESTER/CN
E11             1   1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-A-(PHENYL
                    THIO)-, METHYL ESTER/CN
E12             1   1-CYCLOPENTENE-1-ACETIC ACID, A-METHYL-2-((4-METHYL-3-
                    FURANYL)METHYL)-3-(PHENYLMETHOXY)-/CN

=> e2
L5              1 "1-CYCLOPENTENE-1-ACETIC ACID, A-METHOXY-, 1,1-DIMETHYLETH
                  YL ESTER"/CN

=> d 15

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2010 ACS on STN
RN   286455-99-0  REGISTRY
ED   Entered STN:  18 Aug 2000
CN   1-Cyclopentene-1-acetic acid, α-methoxy-, 1,1-dimethylethyl
     ester  (CA INDEX NAME)
MF   C12 H20 O3
SR   CA
LC   STN Files:   CA, CAPLUS
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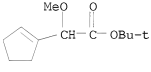


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

              1 REFERENCES IN FILE CA (1907 TO DATE)
              1 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    209.54     209.76

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```

FILE COVERS 1907 - 23 Feb 2010 VOL 152 ISS 9
FILE LAST UPDATED: 22 Feb 2010 (20100222/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> l5
L6 1 L5

=> d l6 ti fbib abs

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
TI Regiochemistry of molybdenum-catalyzed O-H insertions of vinylcarbenoids
AN 2000:443464 CAPLUS <<LOGINID::20100223>>
DN 133:176928
TI Regiochemistry of molybdenum-catalyzed O-H insertions of vinylcarbenoids
AU Davies, H. M. L.; Yokota, Y.
CS Department of Chemistry, State University of New York at Buffalo, Buffalo, NY, 14260-3000, USA
SO Tetrahedron Letters (2000), 41(25), 4851-4854
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
AB Molybdenum-catalyzed decomposition of vinyldiazoacetates generates vinylcarbenoids that preferentially react with alcs. at the vinylogous position of the vinylcarbenoid rather than at the carbenoid site.
OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>
=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.60	228.36
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.85	-0.85

FILE 'REGISTRY' ENTERED AT 14:21:31 ON 23 FEB 2010
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provided by InfoChem.

STRUCTURE FILE UPDATES: 21 FEB 2010 HIGHEST RN 1206966-88-2
DICTIONARY FILE UPDATES: 21 FEB 2010 HIGHEST RN 1206966-88-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

```
=> E 1-Cyclohexene-1-acetic acid, α-methoxy-/CN
E1            1     1-CYCLOHEXENE-1-ACETIC ACID, A-HYDROXY-6-OXO-, (1R,2S,
                    5R)-5-METHYL-2-(1-METHYLETHYL)CYCLOHEXYL ESTER, (AS)-/
                    CN
E2            1     1-CYCLOHEXENE-1-ACETIC ACID, A-ISOCYANO-A-METHYL
                    -, METHYL ESTER/CN
E3            1 --> 1-CYCLOHEXENE-1-ACETIC ACID, A-METHOXY-/CN
E4            1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHOXY-, COMPD. WITH P
                    HENYLMETHYL CARBAMIMIDOTHIOATE (1:1)/CN
E5            1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHOXY-, METHYL ESTER/
                    CN
E6            1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHYL-/CN
E7            1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHYL-, (5-(PHENYLMETH
                    YL)-3-FURANYL)METHYL ESTER/CN
E8            1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHYL-, (S)-/CN
E9            1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHYL-, 1,1-DIMETHYLET
                    HYL ESTER/CN
E10           1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHYL-, 2-(DIETHYLAMIN
                    O)ETHYL ESTER/CN
E11           1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHYL-, 2-DIETHYLAMINO
                    ETHYL ESTER/CN
E12           1     1-CYCLOHEXENE-1-ACETIC ACID, A-METHYL-, 2-HYDROXY-.ALP
                    HA.-METHYLCYCLOHEXANEACETIC ACID Γ-LACTONE/CN

=> E3
L7            1 "1-CYCLOHEXENE-1-ACETIC ACID, A-METHOXY-"/CN

=> D L7

L7   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2010 ACS on STN
RN   105105-90-6  REGISTRY
ED   Entered STN:  08 Nov 1986
CN   1-Cyclohexene-1-acetic acid, α-methoxy-   (CA INDEX NAME)
MF   C9 H14 O3
CI   COM
SR   CA
LC   STN Files:   BEILSTEIN*, CA, CAPLUS, CASREACT
        (*File contains numerically searchable property data)
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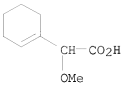

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.09	236.45
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.85

FILE 'CAPLUS' ENTERED AT 14:22:15 ON 23 FEB 2010
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FILE COVERS 1907 - 23 Feb 2010 VOL 152 ISS 9
FILE LAST UPDATED: 22 Feb 2010 (20100222/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> L7
L8 2 L7

=> D L8 1-2 TI FBIB ABS

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
TI Cyclohexene-1-carboxaldehyde
AN 1959:34474 CAPLUS <<LOGINID::20100223>>
DN 53:34474
OREF 53:6110d-h
TI Cyclohexene-1-carboxaldehyde
AU Bergmann, Ernst D.; Becker, Abraham
CS Hebrew Univ., Jerusalem, Israel
SO Journal of Organic Chemistry (1958), 23, 1553-4
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA Unavailable
OS CASREACT 53:34474
AB Cyclohexenyltrichloromethylcarbinol (I) heated with 4 moles of 20% NaOH gave 25% cyclohexenylglycolic acid (II), but the yield of cyclohexene-1-carboxaldehyde (III) was more variable, much polymeric material being formed. All expts. failed to pyrolyze I in the presence of KOH, K2CO3, or Cu powder, or to split it by means of concentrated H2SO4 or Pb(OAc)4. I (82%) was prepared from 1 mole Cl3CCHO, 2 moles cyclohexene, and 14 g. AlCl3, b15 150°. I (1 mole) and 2 moles NaOMe in 500 ml. MeOH refluxed 3 hrs., the alc. removed, the solid filtered off, washed, and the filtrate and washings treated with H2O and 200 ml. Et2O, the ethereal layer dried, and distilled gave 90% dicyclohexenyl glycolide (IV), b20 140°. I (57 g.) and 50 g. NaOH in 100 ml. H2O refluxed 1 hr., cooled, extracted with Et2O, and acidified gave 10 g. II, b30 155°, m. 125°. IV (27.6 g.) refluxed 3 hrs. with 8 g. NaOH in 100 ml. H2O yielded 30 g. I, which solidified spontaneously and m. 125° without further purification. Treatment of I with 5 moles NaOH in MeOH or PrOH gave cyclohexenylmethoxy-acetic acid (V), b0.1 124°, and cyclohexenylpropoxy-acetic acid (VI), b25 156°, resp. Pyrolysis of V and VI with Cu powder gave 54 and 73% III, so that the over-all yield, calculated on cyclohexene, was 15 and 49%, resp. NaOH (50 g.) in 200 ml. MeOH mixed with 57 g. I and the mixture refluxed 1 hr. after the exothermic reaction subsided, the alc. removed, H2O added, and the mixture extracted with Et2O and the aqueous layer acidified gave 23 g. V. The same result was obtained when NaOMe was used instead of NaOH. IV (27.6 g.), 18 g. NaOMe, and 100 ml. alc. refluxed 2 hrs., H2O added, and the mixture acidified gave 31 g. V. NaOH (50 g.) in 300 ml. PrOH refluxed 1 hr. with 57 g. I gave 36 g. VI, b25 156°. V (17 g.) and 1 g. Cu powder heated 2 hrs. at 200° gave 3.7 g. III, b1 61°. Similarly, 10 g. VI and 1 g. Cu powder heated 2 hrs. at 200° gave 4.5 g. III; 2,4-dinitrophenylhydrazone, m. 212° (BuOH).

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
TI Olefinic acid. VIII. α-Bromocyclohexylideneacetic acid
AN 1954:3364 CAPLUS <<LOGINID::20100223>>
DN 48:3364
OREF 48:574c-i,575a-b
TI Olefinic acid. VIII. α-Bromocyclohexylideneacetic acid
AU Newman, D. D. E.; Owen, L. N.
CS Imperial Coll. Sci. Technol., London
SO Journal of the Chemical Society (1952) 4713-21
CODEN: JCSOA9; ISSN: 0368-1769
DT Journal
LA Unavailable
OS CASREACT 48:3364
AB cf. C.A. 44, 4863i. Cyclohexylideneacetic acid (I), m. 90-1°, has a maximum absorption at 2260A. (ε 13,200). In the presence of BF3, cyclohexanone and CH2CO react to give 1-cyclohexeneacetic acid, m. 36-7°; 1,2-dibromide, m. 119-20°. Br (15.9 g.) in 30 cc. HOAc was added over 1 hr. to 13.5 g. I in 80 cc. HOAc at 15°.

After removal of HOAc and recrystn. of the solid product from light petr. gave 1,α-dibromocyclohexaneacetic acid (II), m. 136-7°. II (2.0 g.), shaken with 200 cc. 0.12N NaOH for 1 hr., extracted with ether, the exts. dried and distilled, gave 0.88 g. ω-bromomethylenecyclohexane (III), b15 75-6°, n19D 1.5165, also obtained by heating I with pyridine for 1 hr. at 60-5°. Oxidation of III with KMnO4 gave cyclohexanone. An ice cold solution of NaOEt (2.15 g. Na and 30 cc. absolute EtOH) was added to a solution of 12.5 g. II in 50 cc. absolute EtOH at -15°, the solution warmed to room temperature in 16 hrs., the alc. removed, and the residue acidified, gave 7.8 g. α-bromocyclohexylideneacetic acid (IV), m. 120°; λEtOHmax.: 2260, 2420, 2470, 2510A.; p-bromophenacyl ester, m. 113°. A mixture of 0.99 g. IV and 10 cc. 5N NaOMe-MeOH boiled for 24 hrs. gave α-methoxy-1-cyclohexeneacetic acid (V), m. 59-60°, λEtOHmax. 2260A.; Me ester, b16 125°, b0.5 90°, n15D 1.4712; S-benzylthiuronium salt m. 179°. Reaction rate data for the formation of V from IV indicates a rearrangement to α-bromo-1-cyclohexeneacetic acid (VII) precedes methanolysis. Acidification of the residue from the isolation V gave, on filtration, the double salt (C8H13O)CO2H.(C8H13O)CO2Na, m. 201-2°. Evaporation of the filtrate gave an oil which, with CH2N2, gave what is probably a mixture of VI and Me α-methoxycyclohexylideneacetate. Heating 4.5 g. IV 24 hrs. with 45 cc. 5N MeONa-MeOH gave, on dilute with water, extraction with Et2O, and acidification of the aqueous solns., 2-hydroxy-α-methoxycyclohexaneacetic acid lactone (VIII), b30 120°, n16D 1.4710, and V. A solution of 2.17 g. V in 20 cc. CCl4, ozonized at 0°, and steam distilled after decomposition at 100° with 2N H2SO4, gave methoxymethyl cyclopentyl ketone; semicarbazone, m. 192-3°. Oxidation of V with KMnO4 gave adipic acid. Hydrogenation of V at pH 9 over Pd-C catalyst in H2O gave α-methoxycyclohexaneacetic acid (IX), m. 67°. Et cyclohexaneacetate (X), b0.2 42-3°, n15D 1.4470, prepared by reduction of PhCH2CO2Et, gave cyclohexaneacetic acid, b0.3 75°, m. 26-7°. α-Hydroxycyclohexaneacetic acid (XI) (5.7 g.), m. 135°, was obtained by treating 12.5 g. Et α-bromocyclohexaneacetate (XII) (b0.4 86-7°) with 100 cc. 2.5N NaOH and 50 cc. dioxane for 16 hrs. on a steam bath. XI (2.05 g.), 12 g. Ag2O, and 20 g. MeI shaken together, heated at 65° for 2 hrs., extracted with Et2O, the exts. evaporated, C6H6 added, water removed by azeotropic distillation, and the residue remethylated gave 1.48 g. Me α-methoxycyclohexaneacetate (XIII), b30 120°, n16D 1.4520; hydrolysis gave IX; p-bromophenacyl ester, m. 70°. XII (6.4 g.) heated for 16 hrs. with 50 cc. 2N MeONa-MeOH, poured into H2O, extracted with Et2O, and the dried exts. distilled, gave IX. IX (1.3 g.) neutralized with 2N NaOH, 0.87 g. KMnO4 in 50 cc. H2O added slowly at -15°, and warmed to room temperature, gave 0.30 g. α-oxocyclohexaneacetic acid (XIV), b10 98°, m. 45-9°; 2,4-dinitrophenylhydrazone, m. 211-12°. V does not isomerize in 48 hrs. with 5N MeONa-MeOH at 100°. IV gave polymeric products when heated with 2N NaOH 2.5 days at 125°. 2-Methoxycyclohexanone (XV) (b15 76°, n20D 1.4535) was prepared by methylation of 2-hydroxycyclo hexanone; semicarbazone of XV, m. 178-9°. XV reacts with 2,4-dinitrophenylhydrazine to give 1,2-cyclohexandione bis(2,4-dinitrophenylhydrazone), m. 220-1°, and XV 2,4-dinitrophenylhydrazone, m. 135°. XV (4.43 g.), 2.26 g. activated Zn, 5.8 g. BrCH2CO2Et, 14 cc. C6H6, and 12 cc. MePh were heated on a steam bath (vigorous reaction) until the Zn dissolved, filtered, the filtrate decomposed with ice cold 2N HCl; the organic layer, separated, washed with saturated NaHCO3 until neutral, and distilled, gave Et 1-hydroxy-2-methoxycyclohexaneacetate (XVI), b0.5 79-82°, n20D 1.4590; hydrolysis gave impure acid (XVII), n14D 1.4736. XVII dehydrated with Ac2O gave a mixture (XVIII) (n35D 1.4945) of the lactones of

2-hydroxycyclohexylideneacetic acid (XIX) (25%) (m. 21-4°) and
2-hydroxy-1-cyclohexeneacetic acid (75%). XVIII dissolved in 2N NaOH,
warmed for 10 min., diluted with water, and extracted with ether, and the
aqueous
solution acidified, gave XIX and impure 2-oxocyclohexaneacetic acid;
2,4-dinitrophenylhydrazone, m. 191-3°; semicarbazone, m.
192-3°.
OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.70	246.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.70	-2.55

FILE 'REGISTRY' ENTERED AT 14:26:20 ON 23 FEB 2010
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STRUCTURE FILE UPDATES: 21 FEB 2010 HIGHEST RN 1206966-88-2
DICTIONARY FILE UPDATES: 21 FEB 2010 HIGHEST RN 1206966-88-2

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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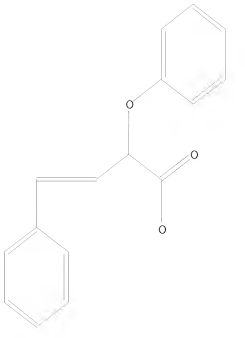
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10566995\10566995 PHENOXYPHENYL.str

L9 STRUCTURE UPLOADED

=> D L9
L9 HAS NO ANSWERS
L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> SEARCH L9 SSS SAM
SAMPLE SEARCH INITIATED 14:26:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 101 TO ITERATE

100.0% PROCESSED 101 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1418 TO 2622
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=> SEARCH L9 SSS FULL
FULL SEARCH INITIATED 14:27:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2054 TO ITERATE

100.0% PROCESSED 2054 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L11 0 SEA SSS FUL L9

=> LOGOFF HOLD

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	192.03	438.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.55

SESSION WILL BE HELD FOR 120 MINUTES
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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

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NEWS 2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	NOV 23	Addition of SCAN format to selected STN databases
NEWS 11	NOV 23	Annual Reload of IFI Databases
NEWS 12	DEC 01	FRFULL Content and Search Enhancements
NEWS 13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus
NEWS 18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS 19	JAN 25	Annual Reload of MEDLINE database
NEWS 20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS 21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS 22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS 24	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail

Addresses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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FILE 'HOME' ENTERED AT 08:00:54 ON 24 FEB 2010

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.22 0.22

FILE 'REGISTRY' ENTERED AT 08:01:10 ON 24 FEB 2010
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 FEB 2010 HIGHEST RN 1207159-36-1
DICTIONARY FILE UPDATES: 22 FEB 2010 HIGHEST RN 1207159-36-1

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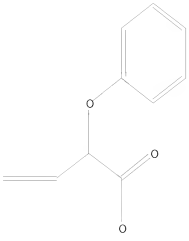
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10566995\10566995 coire.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> search l1 sss sam
SAMPLE SEARCH INITIATED 08:01:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     1512 TO ITERATE

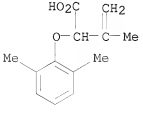
100.0% PROCESSED     1512 ITERATIONS                                  2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:         27908 TO    32572
PROJECTED ANSWERS:                2 TO      124

L2             2 SEA SSS SAM L1

=> d scan

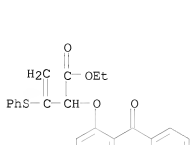
L2   2 ANSWERS   REGISTRY  COPYRIGHT 2010 ACS on STN
IN   3-Butenoic acid, 2-(2,6-dimethylphenoxy)-3-methyl-
MF   C13 H16 O3
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 2 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthracenyl)oxy]-
    3-(phenylthio)-, ethyl ester
MF C26 H20 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> e 3-Butenoic acid, 2-(2,6-dimethylphenoxy)-3-methyl-/cn
E1 1 3-BUTENOIC ACID, 2-(2,5-DIMETHOXYPHENYL)-2-OXOETHYL ESTER/CN
E2 1 3-BUTENOIC ACID, 2-(2,6-DICHLOROPHENYL)HYDRAZIDE/CN
E3 1 --> 3-BUTENOIC ACID, 2-((2,6-DIMETHYLPHENOXY)-3-METHYL-/CN
E4 1 3-BUTENOIC ACID, 2-(2,6-DIMETHYLPHENOXY)-3-METHYL-, METHYL E
       STER/CN
E5 1 3-BUTENOIC ACID, 2-(2,6-DIMETHYLPHENYL)HYDRAZIDE/CN
E6 1 3-BUTENOIC ACID, 2-(2,6-XYLYL)HYDRAZIDE/CN
E7 1 3-BUTENOIC ACID, 2-(2-(((1,1-DIMETHYLETHYL)DIMETHYLSILYL)OXY
)ETHYL)-3-METHYL-, ETHYL ESTER/CN
E8 1 3-BUTENOIC ACID, 2-(2-(((1,1-DIMETHYLETHYL)DIPHENYLSILYL)OXY
)ETHYLIDENE)-4-(4-((5-((3AS,4S,6AR)-HEXAHYDRO-2-OXO-1H-THIEN
       O(3,4-D)IMIDAZOL-4-YL)-1-OXOPENTYL)AMINO)PHENYL)-, 2-(2-(((7
       -(DIETHYLAMINO)-2-OX/CN
E9 1 3-BUTENOIC ACID, 2-(2-(((1,1-DIMETHYLETHYL)DIPHENYLSILYL)OXY
)ETHYLIDENE)-4-(4-((6-((7-NITRO-2,1,3-BENZOXADIAZOL-4-YL)AMI
       NO)-1-OXOHEXYL)AMINO)PHENYL)-, 2-(2-(((7-(DIETHYLAMINO)-2-OX
       O-2H-1-BENZOPYRAN-3-/CN
E10 1 3-BUTENOIC ACID, 2-(2-(((1,1-DIMETHYLETHYL)DIPHENYLSILYL)OXY
)ETHYLIDENE)-4-PHENYL-, 2-(2-(((7-(DIETHYLAMINO)-2-OXO-2H-1-
       BENZOPYRAN-3-YL)CARBONYL)AMINO)ETHOXY)ETHYL ESTER, (2E,3E)-/
       CN
E11 1 3-BUTENOIC ACID, 2-(2-((2-(((2-((AMINOIMINOMETHYL)AMINO)-4-
       THIAZOLYL)METHYL)THIO)ETHYL)IMINO)(METHYLTHIO)METHYL)HYDRAZI
       NYLIDENE)-4-PHENYL-/CN
E12 1 3-BUTENOIC ACID, 2-(2-(((2-PROPEN-1-YLOXY)CARBONYL)OXY)ETHOX
       Y)ETHYL ESTER/CN

```
=> e3
L3            1 "3-BUTENOIC ACID, 2-(2,6-DIMETHYLPHENOXY)-3-METHYL-"/CN

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         6.97       7.19

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FILE COVERS 1907 - 24 Feb 2010  VOL 152 ISS 9
FILE LAST UPDATED: 23 Feb 2010  (20100223/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Dec 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> l3
L4            1 L3

=> d l4 ti fbib abs

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2010 ACS on STN
TI   p-[(Diethylamino)ethoxy]phenyl-p-tolyl-p-fluorophenylethanol
AN   1963:441367  CAPLUS <<LOGINID::20100224>>
DN   59:41367
OREF 59:7409c-h
TI   p-[(Diethylamino)ethoxy]phenyl-p-tolyl-p-fluorophenylethanol
AU   Supniewski, J.; Staronkowa, E.
CS   Polish Acad. Sci., Krakow, Pol.
SO   Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences
     Biologiques (1962), 10, 185-8
     CODEN: BAPBAN; ISSN: 0001-4087
DT   Journal
LA   English
GI   For diagram(s), see printed CA Issue.
AB   1-[p-[(Diethylamino)ethoxy]phenyl]1-(p-tolyl)-2-(p-fluorophenyl)ethanol
     (I) prepared as follows, was injected intraperitoneally in 2% solution of the
     hydrochloride in daily doses of 50 mg./kg.  After 5 days treatment of 10
```

rats, the mean serum cholesterol level fell from 44.3 ± 0.7 to 23.0 ± 0.7 mg.-%. Intraperitoneal injection of I into white mice indicated L.D.50 of 165 mg./kg. The drug induced akinesia, ptosis, and sedation, followed by clonic convulsions and death from respiratory paralysis. For the preparation of I, p-methyl-p-hydroxybenzophenone (II) was prepared by the method of Homer and Medem (CA 47, 1639e). To a mixture of 65 g. II in 26 ml. H2O and 250 ml. EtOH containing 24.7 g. NaOH at 10°, 53.3 g. 1-(diethylamino)2-chloroethane (obtained by heating 1-(diethylamino)-2-hydroxyethane with excess thionyl chloride) was added. The mixture was boiled 1 hr., cooled, the precipitated NaCl removed, and the EtOH distilled The residue (96 g.) in C6H6 was washed with 1% NaOH, and with H2O, dried over K2CO3, and the C6H6 distilled This residue (93 g.) dissolved in 200 ml. Me2CO was added to 250 ml. Me2CO containing 38 g. crystalline oxalic acid.

The crude oxalate obtained was washed with Me2CO, dried at 105°, and recrystd. from EtOH and Me2CO (870:250 ml.) to give 72.3 g. of the oxalate, m. 150-1°. The oxalate in 400 ml. H2O was neutralized with 22.5 g. KOH in 35 ml. H2O and extracted with C6H6. The extract dried over K2CO3 and the C6H6 distilled gave 55.3 g.

p-methoxy-p[(diethylamino)ethoxy]benzophenone (III). To 1.15 g. Mg turnings, activated with I in 40 ml. anhydrous Et2O, 7.18 g. p-fluoro-α-chlorotoluene in 50 ml. Et2O was added. The mixture was heated 1 hr., cooled, and 10 g. III in 35 ml. Et2O added. This mixture was boiled 1 hr., cooled, and poured into 100 ml. H2O containing 11 g. NH4Cl. The Et2O layer was separated and added to the Et2O extract of the H2O layer. The exts. were washed with H2O, dried with Na2SO4, and the Et2O removed. The residue was dissolved in 10 ml. iso-PrOH and 10 ml. ligroine, filtered, and cooled. The separated crystals were washed with iso-PrOH and ligroine (1:1) and dried at 80° to give 79% of I, m. 104-6°. The m.p. was unchanged by recrystg. from EtOH and H2O.

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

=> d l4 it

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN

IT Blood serum
(cholesterol in, 1-[p-[2-(diethylamino)ethoxy]phenyl]-2-(p-fluorophenyl)-1-p-tolylethanol effect on)

IT 14753-08-3 93351-45-2
(Derived from data in the 7th Collective Formula Index (1962-1966))

IT 90-95-9P, Benzophenone, 4-[2-(diethylamino)ethoxy]-4'-methyl- 3828-26-0P, Ethanol, 1-[p-[2-(diethylamino)ethoxy]phenyl]-2-(p-fluorophenyl)-1-p-tolyl- 39581-62-9P, Crotonic acid, 2-(o-hydroxyphenyl)-3-methyl-, γ-lactone 62191-63-3P, Butyric acid, 4-(oo-hydroxyphenyl)-3-methyl- 65566-55-4P, Crotonic acid, 3-methyl-2-phenoxy- 66591-16-0P, 2,5-Cresotaldehyde, (2,4-dinitrophenyl)hydrazone 75933-69-6P, Crotonic acid, 4-phenoxy-, methyl ester 79228-74-3P, Crotonic acid, 3-methyl-4-phenoxy- 85615-16-3P, 3-Butenoic acid, 4-(o-methoxyphenyl)-3-methyl-, methyl ester 89641-41-8P, 2-Pentenoic acid, 2-bromo-, methyl ester 90843-51-9P, Crotonic acid, 2-phenoxy- 91142-96-0P, 3-Butenoic acid, 4-(o-hydroxyphenyl)-3-methyl- 91496-48-9P, 3-Butenoic acid, 4-(o-hydroxyphenyl)-3-methyl-, methyl ester 91496-59-2P, Crotonic acid, 3-methyl-2-phenoxy-, methyl ester 91496-60-5P, Crotonic acid, 3-methyl-4-phenoxy-, methyl ester 91496-61-6P, Crotonic acid, 3-methyl-2-(p-tolyloxy)- 91496-62-7P, Crotonic acid, 3-methyl-4-(p-tolyloxy)- 91496-90-1P, 3-Pentenoic acid, 4-(o-hydroxyphenyl)-, methyl ester 92016-85-8P, 3-Butenoic acid, 3-methyl-4-phenoxy- 92016-89-2P, Crotonic acid, 2-phenoxy-, methyl ester

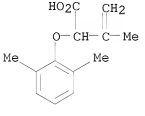
92016-98-3P, 2-Pentenoic acid, 2-phenoxy- 92864-20-5P, 3-Butenoic acid, 3-methyl-2-(2,6-xylyloxy)-, methyl ester 92864-34-1P, Crotonic acid, 3-methyl-2-(2,6-xylyloxy)-, methyl ester 92864-35-2P, Crotonic acid, 3-methyl-4-(2,6-xylyloxy)-, methyl ester 93305-47-6P, Crotonic acid, 2-(6-hydroxy-m-tolyl)-3-methyl-, γ-lactone 93351-67-8P, Valeric acid, 4-(o-hydroxyphenyl)- 97024-30-1P, Crotonic acid, 3-methyl-2-(p-tolyloxy)-, methyl ester 97024-31-2P, Crotonic acid, 3-methyl-4-(p-tolyloxy)-, methyl ester 97024-32-3P, Crotonic acid, 3-methyl-2-(2,6-xylyloxy)- 98017-53-9P, 3-Butenoic acid, 4-(6-hydroxy-m-tolyl)-3-methyl-, methyl ester 98017-54-0P, 3-Butenoic acid, 3-methyl-2-(2,6-xylyloxy)- 98017-58-4P, Crotonic acid, 3-methyl-4-(2,6-xylyloxy)- 106404-90-4P, Benzophenone, 4-[2-(diethylamino)ethoxy]-4'-methyl-, oxalate 859038-83-8P, Butyric acid, 4-(6-hydroxy-m-tolyl)-3-methyl-
RL: PREP (Preparation)
(preparation of)

=> 98017-54-0
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 1 L5

=> display hitstr l6
ENTER ANSWER NUMBER OR RANGE (1):1

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
IT 98017-54-0P, 3-Butenoic acid, 3-methyl-2-(2,6-xylyloxy)-
RL: PREP (Preparation)
(preparation of)
RN 98017-54-0 CAPLUS
CN 3-Butenoic acid, 2-(2,6-dimethylphenoxy)-3-methyl- (CA INDEX NAME)



=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 7.52 20.19

```
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                    ENTRY    SESSION
CA SUBSCRIBER PRICE                                  0.00      -0.85

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DICTIONARY FILE UPDATES:  22 FEB 2010  HIGHEST RN 1207159-36-1

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d his

     (FILE 'HOME' ENTERED AT 08:00:54 ON 24 FEB 2010)

     FILE 'REGISTRY' ENTERED AT 08:01:10 ON 24 FEB 2010
L1             STRUCTURE UPLOADED
L2           2 SEARCH L1 SSS SAM
               E 3-BUTENOIC ACID, 2-(2,6-DIMETHYLPHENOXY)-3-METHYL-/CN
L3           1 E3

     FILE 'CAPLUS' ENTERED AT 08:03:02 ON 24 FEB 2010
L4           1 L3
               S 98017-54-0/REG#

     FILE 'REGISTRY' ENTERED AT 08:04:38 ON 24 FEB 2010
L5           1 S 98017-54-0/RN

     FILE 'CAPLUS' ENTERED AT 08:04:39 ON 24 FEB 2010
L6           1 S L5

     FILE 'REGISTRY' ENTERED AT 08:07:36 ON 24 FEB 2010

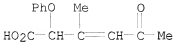
=> search l1 sss full
FULL SEARCH INITIATED 08:09:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    30069 TO ITERATE

100.0% PROCESSED    30069 ITERATIONS                                 28 ANSWERS
SEARCH TIME: 00.00.01

L7          28 SEA SSS FUL L1

=> d scan
```

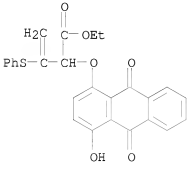
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Hexenoic acid, 3-methyl-5-oxo-2-phenoxy-
MF C13 H14 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):38

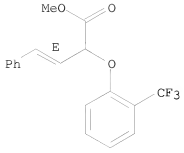
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthracenyl)oxy]-
    3-(phenylthio)-, ethyl ester
MF C26 H20 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[2-(trifluoromethyl)phenoxy]-, methyl ester,
    (3E)-
MF C18 H15 F3 O3

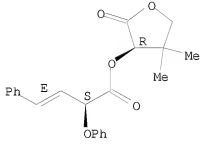
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

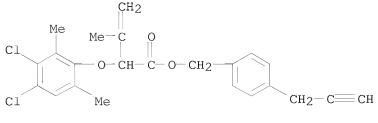
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-,
    (3R)-tetrahydro-4,4-dimethyl-2-oxo-3-furanyl ester, (2S,3E)-
MF C22 H22 O5

Absolute stereochemistry.
Double bond geometry as shown.



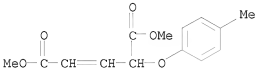
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(3,4-dichloro-2,6-dimethylphenoxy)-3-methyl-,
    [4-(2-propyn-1-yl)phenyl]methyl ester
MF C23 H22 Cl2 O3



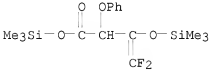
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C14 H16 O5



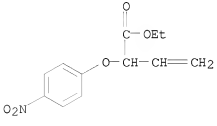
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4,4-difluoro-2-phenoxy-3-[(trimethylsilyl)oxy]-, trimethylsilyl ester
MF C16 H24 F2 O4 Si2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

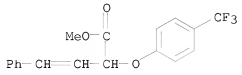
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(4-nitrophenoxy)-, ethyl ester
MF C12 H13 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

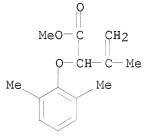
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

IN 3-Butenoic acid, 4-phenyl-2-[4-(trifluoromethyl)phenoxy]-, methyl ester
MF C18 H15 F3 O3



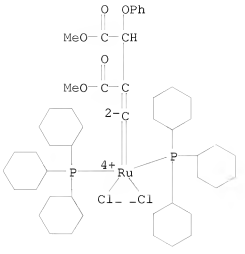
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(2,6-dimethylphenoxy)-3-methyl-, methyl ester
MF C14 H18 O3



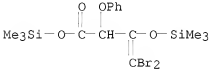
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium, dichloro[4-methoxy-2-(methoxycarbonyl)-4-oxo-3-phenoxy-1-buten-
    1-ylidene]bis(tricyclohexylphosphine)-, (SP-5-31)-
MF C49 H78 Cl2 O5 P2 Ru
CI CCS



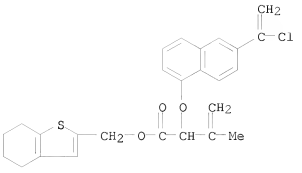
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4,4-dibromo-2-phenoxy-3-[(trimethylsilyl)oxy]-, trimethylsilyl ester
MF C16 H24 Br2 O4 Si2



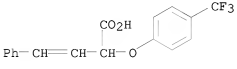
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[[6-(1-chloroethenyl)-1-naphthalenyl]oxy]-3-methyl-, (4,5,6,7-tetrahydrobenzo[b]thien-2-yl)methyl ester
MF C26 H25 Cl O3 S



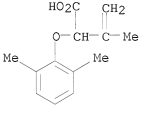
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[4-(trifluoromethyl)phenoxy]-
MF C17 H13 F3 O3



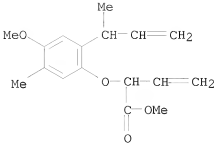
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(2,6-dimethylphenoxy)-3-methyl-
MF C13 H16 O3



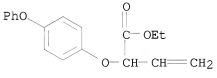
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[4-methoxy-5-methyl-2-(1-methyl-2-propen-1-yl)phenoxy]-
, methyl ester
MF C17 H22 O4



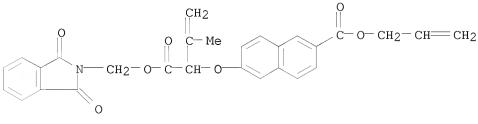
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(4-phenoxyphenoxy)-, ethyl ester
MF C18 H18 O4



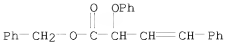
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 2-Naphthalenecarboxylic acid, 6-[[1-[[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methoxy]carbonyl]-2-methyl-2-propen-1-yl]oxy]-, 2-propen-1-yl ester
MF C28 H23 N O7



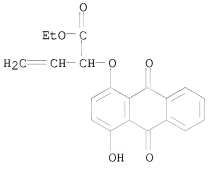
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-, phenylmethyl ester
MF C23 H20 O3



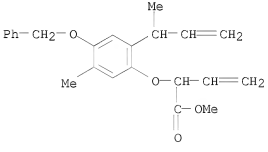
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthracenyl)oxy]-, ethyl ester
MF C20 H16 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

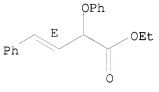
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[5-methyl-2-(1-methyl-2-propen-1-yl)-4-(phenylmethoxy)phenoxy]-, methyl ester
MF C23 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

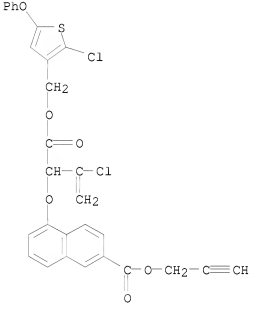
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-, ethyl ester, (E)- (9CI)
MF C18 H18 O3

Double bond geometry as shown.



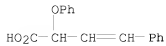
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 2-Naphthalenecarboxylic acid, 5-[[2-chloro-1-[[(2-chloro-5-phenoxy-3-thienyl)methoxy]carbonyl]-2-propen-1-yl]oxy]-, 2-propyn-1-yl ester
MF C29 H20 Cl2 O6 S



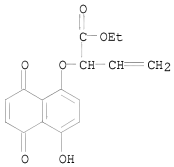
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-
MF C16 H14 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

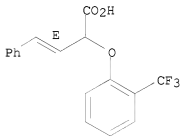
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(5,8-dihydro-4-hydroxy-5,8-dioxo-1-naphthalenyl)oxy]-, ethyl ester
MF C16 H14 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

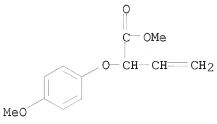
L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[2-(trifluoromethyl)phenoxy]-, (3E)-
MF C17 H13 F3 O3

Double bond geometry as shown.



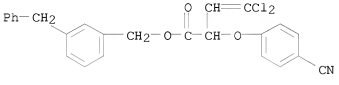
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(4-methoxyphenoxy)-, methyl ester
MF C12 H14 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 28 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4,4-dichloro-2-(4-cyanophenoxy)-,
    [3-(phenylmethyl)phenyl]methyl ester
MF C25 H19 C12 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> save temp allcorectng/a
ENTER L#, L# RANGE, ALL, OR (END):17
ANSWER SET L7 HAS BEEN SAVED AS 'ALLCORECTNG/A'

=>
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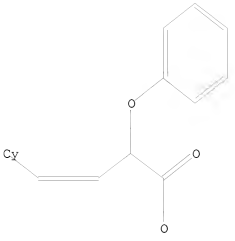
L8 STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8 STR



Structure attributes must be viewed using STN Express query preparation.

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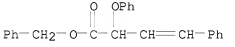
FULL SUBSET SEARCH INITIATED 08:14:37 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 28 TO ITERATE

100.0% PROCESSED 28 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.01

L9 8 SEA SUB=L7 SSS FUL L8

=> d scan

L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-, phenylmethyl ester
MF C23 H20 O3

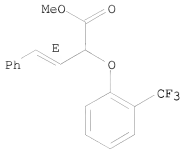


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):8

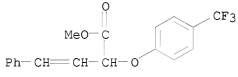
L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[2-(trifluoromethyl)phenoxy]-, methyl ester, (3E)-
MF C18 H15 F3 O3

Double bond geometry as shown.



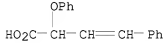
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[4-(trifluoromethyl)phenoxy]-, methyl ester
MF C18 H15 F3 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

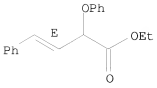
L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-
MF C16 H14 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

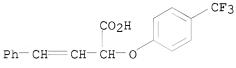
L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-, ethyl ester, (E)- (9CI)
MF C18 H18 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

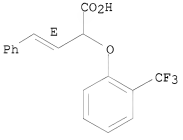
L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[4-(trifluoromethyl)phenoxy]-
MF C17 H13 F3 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[2-(trifluoromethyl)phenoxy]-, (3E)-
MF C17 H13 F3 O3

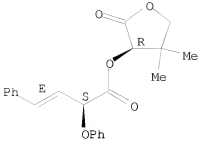
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 8 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-phenoxy-4-phenyl-,
(3R)-tetrahydro-4,4-dimethyl-2-oxo-3-furanyl ester, (2S,3E)-
MF C22 H22 O5

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	242.92	263.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.85

FILE 'CAPLUS' ENTERED AT 08:15:18 ON 24 FEB 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 24 Feb 2010 VOL 152 ISS 9
FILE LAST UPDATED: 23 Feb 2010 (20100223/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> 19
L10          4 L9

=> d l10 1-4 ti fbib abs

L10  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2010 ACS on STN
TI   Preparation of 4-phenyl-but-3-enoic acid derivatives, as peroxisome
     proliferator-activated receptors (PPAR) ligands, in particular PPARα
     and PPARγ agonists, for the treatment and prevention of diabetes,
     dyslipidemia, atherosclerosis
AN   2005:119915  CAPLUS <<LOGINID::20100224>>
DN   142:219047
TI   Preparation of 4-phenyl-but-3-enoic acid derivatives, as peroxisome
     proliferator-activated receptors (PPAR) ligands, in particular PPARα
     and PPARγ agonists, for the treatment and prevention of diabetes,
     dyslipidemia, atherosclerosis
IN   Zeiller, Jean Jacques; Dumas, Herve; Guyard Dangremont, Valerie; Berard,
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PA   Merck Sante, Fr.
SO   Fr. Demande, 38 pp.
     CODEN: FRXXBL
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
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PI   FR 2858615          A1     20050211    FR 2003-9610             20030804
     FR 2858615          B1     20061222
     AU 2004263254       A1     20050217    AU 2004-263254           20040714
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     WO 2005014521       A1     20050217    WO 2004-EP7776           20040714
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             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
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             SN, TD, TG
                                            FR 2003-9610        A    20030804
     EP 1658260          A1     20060524    EP 2004-740992           20040714
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                                            FR 2003-9610        A    20030804
                                            WO 2004-EP7776      W    20040714
     JP 2007501190       T      20070125    JP 2006-522255           20040714
                                            FR 2003-9610        A    20030804
                                            WO 2004-EP7776      W    20040714
     US 20060178434      A1     20060810    US 2006-566995           20060202
                                            FR 2003-9610        A    20030804
                                            WO 2004-EP7776      W    20040714
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS   CASREACT 142:219047; MARPAT 142:219047
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GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

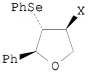
AB Title compds. I [wherein R1 = alkyl, (un)substituted heterocyclyl, (un)substituted aryl or/and (un)condensed with a (un)saturated monocyclic or polycyclic; R2, R3 = independently H, (un)substituted aryl; or R2R3 = alkylene; R = H, aryl/alkyl; their acid and base addition salts; with proviso; their derivs., solvates, and stereoisomers and their mixts., and their pharmaceutically acceptable salts] were prepared as peroxisome proliferator-activated receptors (PPAR)-α and PPARγ agonists for treating diabetes, dyslipidemia, atherosclerosis (no data). For example, II was prepared, in 4 steps, reacting 2-oxo-4-phenylbut-3-enoic acid sodium salt with methanol, followed by reduction, alkylation of the alc. with MeI, and saponification III at a concentration of 50 μM was a PPARα and PPARγ agonist, showing induced luciferase activity via PPARα/Gal4 and PPARγ/Gal4 with a factor of induction of 2.3 and 6.4, resp. Thus, I and their compns. are useful for treating and preventing dyslipidemia, atherosclerosis and diabetes (no data).
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN
TI Chiral catalyst enhancement of diastereocontrol for O-H insertion reactions of styryl- and phenyldiazoacetate esters of pantolactone
AN 2002:586128 CAPLUS <<LOGINID::20100224>>
DN 138:89461
TI Chiral catalyst enhancement of diastereocontrol for O-H insertion reactions of styryl- and phenyldiazoacetate esters of pantolactone
AU Doyle, Michael P.; Yan, Ming
CS Department of Chemistry, University of Arizona, Tucson, AZ, 85721-0041, USA
SO Tetrahedron Letters (2002), 43(34), 5929-5931
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 138:89461
AB The chiral dirhodium(II) catalyst Rh2(MEAZ)4 (Me 4-oxo-2-azetidinecarboxylate) increases diastereocontrol for intermol. O-H insertion reactions of diazo esters having a chiral auxiliary over that achieved with Rh2(OAc)4.
OSC.G 29 THERE ARE 29 CAPLUS RECORDS THAT CITE THIS RECORD (29 CITINGS)
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN
TI A Stereospecific Access to Allylic Systems Using Rhodium(II)-Vinyl Carbenoid Insertion into Si-H, O-H, and N-H Bonds
AN 1997:198048 CAPLUS <<LOGINID::20100224>>
DN 126:211638
OREF 126:40925a,40926a
TI A Stereospecific Access to Allylic Systems Using Rhodium(II)-Vinyl Carbenoid Insertion into Si-H, O-H, and N-H Bonds
AU Bulugahapitiya, Priyadarshanie; Landais, Yannick; Parra-Rapado, Liliana; Planchenault, Denis; Weber, Valery
CS College Propedeutique, Universite de Lausanne, Lausanne-Dorigny, 1015, Switz.

SO Journal of Organic Chemistry (1997), 62(6), 1630-1641
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
AB Rhodium-catalyzed decomposition of α-vinyl diazo esters in the presence of silanes, alcs., ethers, amines, and thiols has been shown to produce the corresponding α-silyl, α-hydroxy, α-alkoxy, α-amino, and α-thioalkoxy esters in generally good yield with a complete retention of the stereochem. of the double bond of the diazo precursor. An extension of the process in homochiral series has also been devised using either a chiral auxiliary attached to the ester function or achiral α-vinyl diazo esters and Doyle's chiral catalyst Rh2(MEPY)4. In the former approach, pantolactone as chiral auxiliary gave diastereoselectivities of up to 70%, while the second approach produced the desired allylsilane with ee as high as 72%. On the other hand, Rh2(MEPY)4-catalyzed insertion into the O-H bond of water led to poor or no enantioselectivity in good agreement with recent literature reports.
OSC.G 58 THERE ARE 58 CAPLUS RECORDS THAT CITE THIS RECORD (59 CITINGS)
RE.CNT 119 THERE ARE 119 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN
TI Electronic versus steric effects in 5-endo-trig-like electrophilic cyclizations
AN 1995:974892 CAPLUS <<LOGINID::20100224>>
DN 124:176328
OREF 124:32707a,32710a
TI Electronic versus steric effects in 5-endo-trig-like electrophilic cyclizations
AU Landais, Yannick; Planchenault, Denis
CS Inst. de Chimie Organique, Univ. de Lausanne, Lausanne-Dorigny, 1015, Switz.
SO Synlett (1995), (11), 1191-3
CODEN: SYNLES; ISSN: 0936-5214
PB Thieme
DT Journal
LA English
OS CASREACT 124:176328
GI



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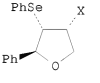

II

AB Electronically and sterically differentiated allylic substituents such as RO, NHPh, PhS, and PhSO2 groups were used to demonstrate the influence of electronic and/or steric effects in the stereocontrol of the PhSeCl-promoted electrophilic 5-endo-trig-like cyclizations of 2-substituted-3-alkenols, (E)-PhCH:CHCHXCH2OH (1, X = OH, OEt, OCH2CF3, OPh, NHPh, SPh). 1 Reacted with PhSeCl/K2CO3 to give predominantly the 2,4-trans-tetrahydrofuran I, however, the cis-2,4-diastereoisomer II was predominant for X = NHPh and SPh for reasons of electronic effects.
OSC.G 19 THERE ARE 19 CAPLUS RECORDS THAT CITE THIS RECORD (19 CITINGS)

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	25.90	289.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.40	